

Amendments to the Specification:

Please replace the paragraph at page 2, lines 6-17 with the following paragraph:

More specifically, a method is provided by the present invention for the self-excision of ~~nucleic~~ nucleic acid sequences in a tissue specific manner. According to this method, a promoter specific to a given tissue, is used to drive expression of the Cre or FLP recombinase. In one embodiment, a gamete-specific promoter, such as a testes-specific promoter or an ovary-specific promoter is used to drive expression of the Cre or FLP recombinase. In this embodiment, foreign DNA, such as a marker gene, linked to Cre or FLP, survives selection in cultured cells and remains integrated in somatic cells, but is removed along with the Cre or FLP as both are passed through the germline. In a second embodiment, a somatic tissue specific promoter, such as a muscle specific promoter, is used to drive expression of the Cre or FLP recombinase. In this embodiment, foreign DNA which is integrated in somatic cells is removed along with the Cre or FLP in the ~~specific~~ specific tissue under control of the tissue specific promoter. The method can be used in both plants and animals and has many applications as described herein.